Two rock types (sand and shale) were used to assign relative permeability and capillary pressure curves. Figure 1 is the cross-plot of porosity against log permeability (log k). Neural network training method was used to identify the two rock types (rock type I and II). Rock type I is for the high porosity and permeability (sand) and type II is for the low porosity and permeability (shale). Figure 2 shows the rock type distribution along the E-W cross-section.
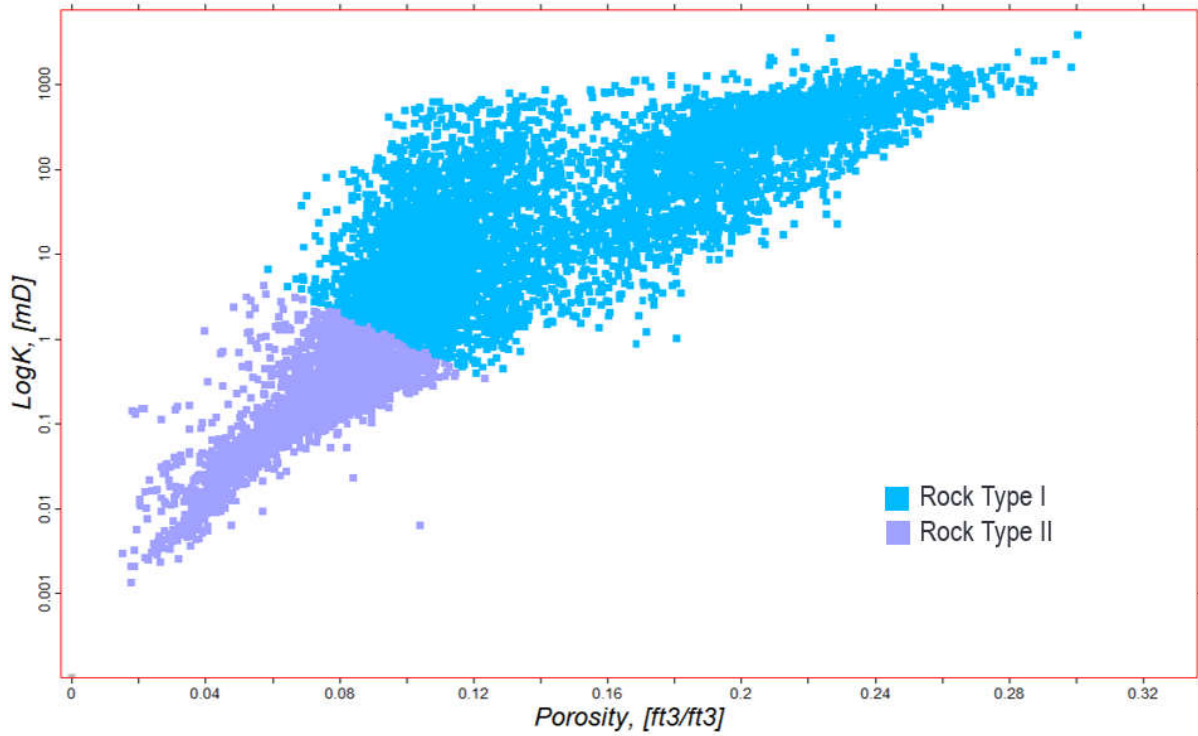

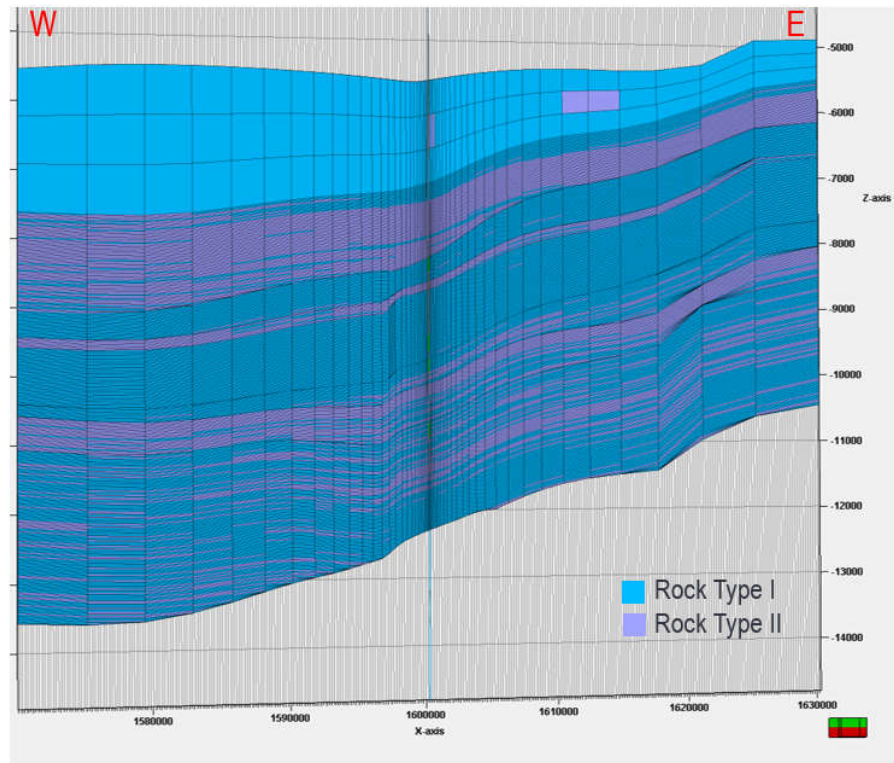*Figure 1: Rock types assigned according to porosity and log K.*

Figure 2: Rock types along the E-W cross-section. Vertical exaggeration is 5x.